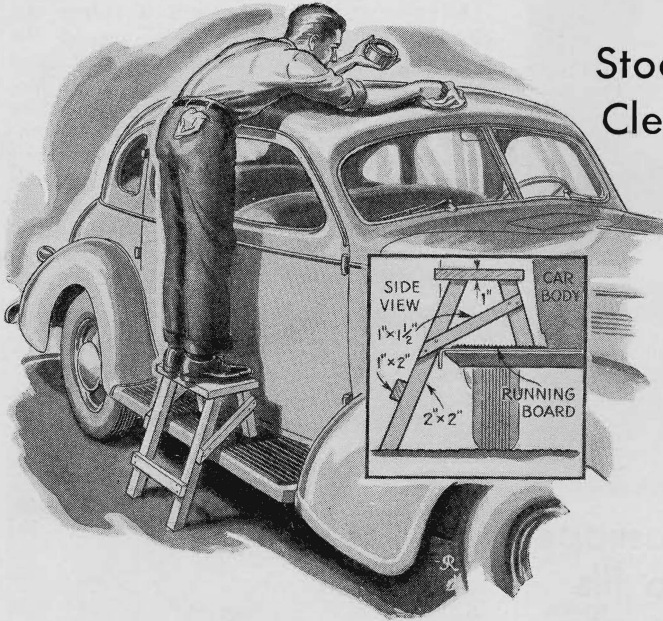
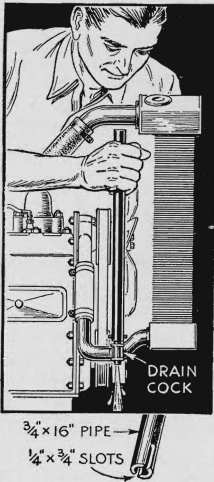


REPAIR STUNTS



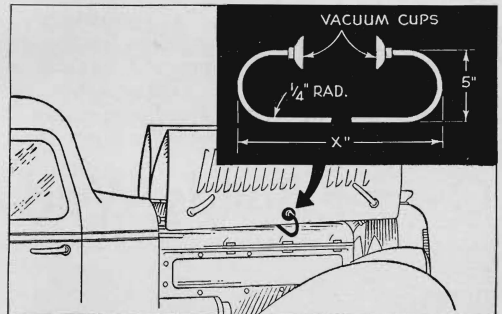
Stool Gives a Lift for Cleaning Top of Auto

IF YOU ever tried to balance on the running board of your car while washing or polishing the top, you'll appreciate the usefulness of the stool shown in the accompanying sketch. It can be made easily from a few pieces of wood, the dimensions of which are suggested in the drawing. The length of the legs of the stool should be determined by the height of your running board and your own height. Be sure to make it high enough to allow you to reach a little more than half way across the car top from either side without stretching. —F. G.



Slotted Pipe Easily Opens Radiator Drain

RADIATOR draining is made easy with a section of $\frac{3}{4}$ " pipe 16" long and slotted at one end, as shown at the left. The pipe is easy to lower over the usually inaccessible petcock to open or shut it. It will save scratched hands and spotted sleeves—to say nothing of tempers.—V. C.

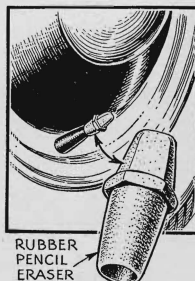


Bracket Holds Both Sides of Car Hood at Once

IT IS often necessary to hold up both sides of an old-style car hood while doing minor repair jobs, but they will not always stay put. A useful holder can be made from a $\frac{1}{4}$ " pipe or rod and two good-quality vacuum cups. Bend the rod as shown. Attach a vacuum cup to each end of the rod. The distance between them depends upon the car, but usually about 18" is sufficient. To attach, fasten the vacuum cups on the lower edges of the hood covers, with the rod under the covers, as shown in the illustration above.—E. B.

Tire Dust Caps from Erasers

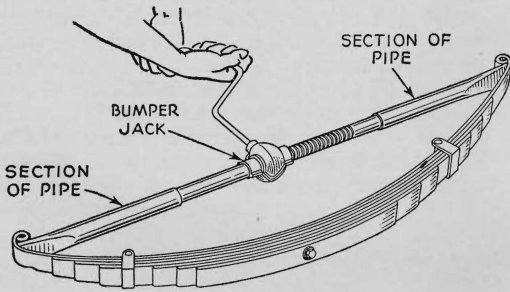
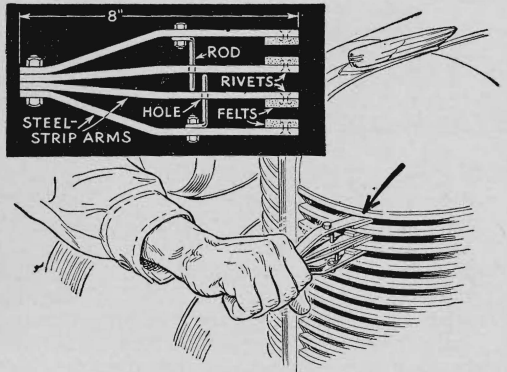
RUBBER erasers of the type made to slip over the end of a pencil make handy dust caps for tire valve stems, and save time when you stop for air.—W. J. I.



For CAR OWNERS

Tool Cleans Car's Grille Two Strips at a Time

THE little time it takes to make the device illustrated at the right will be well repaid by the speed with which it polishes close-spaced radiator grille strips. Soft countersunk rivets will hold the felt pads permanently in place, but good rubber cement may be substituted. Spacing of the jaws is determined by your grille strips. Squeezing the device causes each pair of pads to close on a separate strip.—F. G.

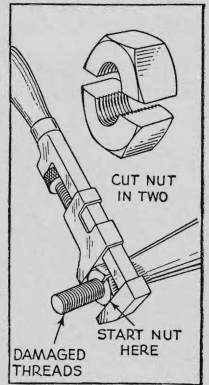


Jack Spreads Springs

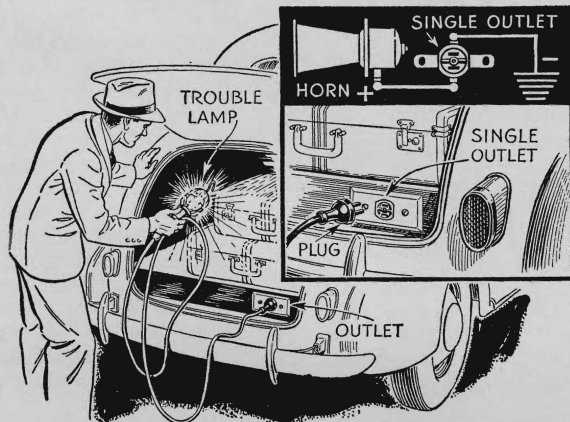
SPREADING a car spring so that the shackle bolts will slip into place can be done easily with a bumper jack and two pieces of pipe. Hammer one end of each pipe flat and place the pieces over the ends of the jack, as shown. The outfit easily spreads a spring to the desired point.—J. H.

Easily Made Die Clears Damaged Axle Thread

WHEN removing rear wheels, the axle threads sometimes become damaged. An easily made die to clear them may be made by cutting in half a spare nut of the same thread, as shown at the right, and clamping the halves over the undamaged thread with a monkey wrench. The halves are then screwed off over the damaged thread, thereby clearing them.—S. A. T.



Trouble-Lamp Outlet for Luggage Trunk



OF REAL service during nighttime repairs, particularly on the road, is a trouble-light outlet such as the one shown mounted in some convenient spot in the luggage compartment. Connected by rubber-insulated wire to the hot terminal of the horn or ammeter, and to ground, the outlet is a conventional wall-type unit such as is used in homes. In place of a house-current bulb in the trouble lamp, one of six volts is substituted. The lamp cord should be long enough to reach any point on the car, so that you will not be "caught short" in any emergency.—A. M.